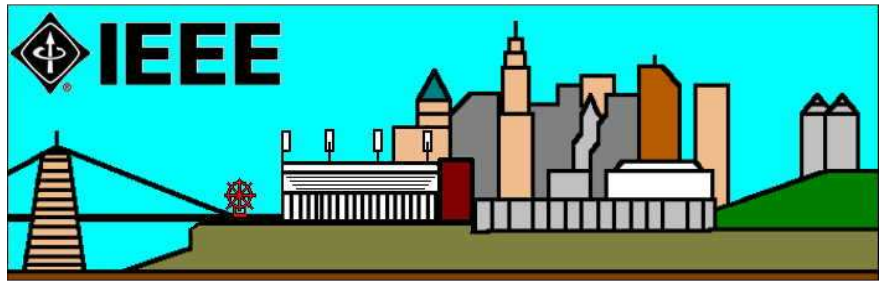


**IEEE CINCINNATI
SECTION
NEWSLETTER
JANUARY 2008**



JANUARY MEETING
OFFSHORE OUTSOURCING –
ONE ENGINEER'S EXPERIENCE

DATE: Thursday, January 24, 2008
PLACE : Raffel's – 10160 Reading Road (see below for directions)
TIME : 5:30 p.m. to 6:00 p.m. - Social Time
6:00 p.m. to 7:00 p.m. - Dinner
7:00 p.m. to 8:30 p.m. - Presentation

COST FOR DINNER: \$10.00 per person – REGARDLESS OF MEMBERSHIP OR MEMBERSHIP GRADE!

NOTE: DINNERS ARE ALWAYS OPTIONAL - YOU MAY ATTEND THE PROGRAM ONLY.

MENU SELECTIONS: Baked Cod with Crab Topping, Sliced Roast Beef with Gravy, Roast Pork Loin with Dressing, Rice Pilaf, Red Skin Mashed Potatoes, Mixed Vegetables, Tossed Salad, Dinner Rolls, Assorted Cakes, Coffee, Tea, Iced Tea, Soft Drinks. There is also a bar available for the purchase of alcoholic drinks.

LOCATION: Raffel's is located at 10160 Reading Road, south of Glendale-Milford Road on the east side of Reading. Take I-75 to the Glendale-Milford Rd. Exit, go east on Glendale-Milford Road approximately $\frac{3}{4}$ of a mile to Reading Rd. and turn right on Reading.

RESERVATIONS: Please email Fred Nadeau for reservations at <mailto:fnadeau1@earthlink.net> (preferred) or call the Section Voice Mail at 513-629-9380 by **Noon, Tuesday, Jan. 22, 2008** if you plan to attend. Please leave your Name, IEEE Member Number, and a daytime telephone number.

PE CREDITS: Depending on the subject matter, attendance at IEEE Cincinnati Section Meetings now qualifies the attendee for Professional Development Hours towards renewal of Professional Engineers Licenses. Required documentation will be available following the meeting! The Section Meetings also provide a great opportunity to network with fellow engineers in the area.

ABOUT THE MEETING / SPEAKER: Paul G. Ritchie, PE, Project Director, Breast Care R&D, at Ethicon Endo-Surgery in Cincinnati, will discuss his experiences with offshore outsourcing and development. Paul has been involved in medical device development for over 18 years. He spent 7 years with Boehringer Mannheim Corporation in Indianapolis, where he was responsible for the design and development of firmware for consumer and professional electrochemical diagnostic systems. He has spent the last 11 years with subsidiaries of J&J, including Indigo Medical and Ethicon Endo-Surgery, in various roles including technical integration of acquisitions, firmware engineering, and program management for complex electro-mechanical systems. His

current responsibility as Project Director encompasses leading the definition, design, and commercialization of a third-generation vacuum-assisted Breast Biopsy system, and includes responsibility for extensive off-shore development.

Paul is a graduate of Rose-Hulman Institute of Technology (Terre Haute, Indiana) with a BS in Electrical Engineering. He is a licensed Professional Engineer, and is the inventor of 7 issued and 14 pending US patents. He is also a 2003 recipient of the Philip B. Hoffman Research Scientist award from Johnson & Johnson.

ABOUT ETHICON ENDO-SURGERY: Ethicon Endo-Surgery, Inc. (EES) develops and markets advanced medical devices for minimally invasive and open surgical procedures. The company focuses on procedure-enabling devices for the interventional diagnosis and treatment of conditions in general and bariatric surgery, as well as gastrointestinal health, gynecology and surgical oncology. Products include the ENDOPATH XCEL(r) Access System; CONTOUR(r) Curved Cutter Stapler; HARMONIC(tm) ultrasonic cutting and coagulation surgical devices; and the MAMMOTOME(r) Biopsy System for diagnosis of early stage breast cancer.

CHAIR'S MESSAGE

by Brian Resnick, Section Chair

Our December meeting was a big success. We are grateful to Steve Jones and Ilaen Hristov of the Cincinnati Linux Users Group for two excellent presentations. This well attended meeting provided a thorough introduction to Linux for embedded systems applications. Mr. Jones fielded questions on the history and current direction of Linux, and Mr. Hristov presented a look at the hardware.

If you are renewing your Professional Engineer's license, please read "Continuing Professional Development Hours" for details regarding our technical meetings.

Job hunting? Click on the "Career Opportunities" category under "Articles" in the right-hand column on the Section's Web Page, <http://www.ieeecincinnati.org/>

Our next Section Meeting will be held at Raffle's on January 24, and will feature Paul Ritchie of Ethicon Endo-Surgery sharing his experiences with offshore outsourcing. There is sure to be lively discussion.

New Cincinnati Section Senior Member

The Cincinnati Section would like to congratulate its newest Senior Member,

Clayton Sippola

whose upgrade application was recently approved.

If you are interested in upgrading your membership to Senior Member, please contact any member of the Executive Committee. You can also see our PACE Chair, Brian Resnick, or any other member of the Executive Committee immediately following any Section Meeting.

2007 Election Results

The Cincinnati Section of IEEE is pleased to announce that

Charles Nash

is our new Member-At-Large. Charles will serve in this capacity for two years. Mr. Nash is also our webmaster.

EMBS Chapter Elects Chair

The newly formed Chapter of the Engineering in Medicine and Biology Society (EMBS) has elected a Chair: David Pettigrew, PhD.

Dr. Pettigrew is the Director of Spine Research and Education at the University of Cincinnati, where he is a Research Assistant Professor in the Department of Neurosurgery.

MEMBERSHIP NEWS

NEW MEMBERS

The following individuals are IEEE members who are new to our Section:

Javon D. Carson	Jonathan A. Kopechek	Ramesh Srinivasan
Ningjie Chen	Jeffrey A. Kruth	Nicholas R. Ustick
Robert A. Clemens	Rajesh Narsimha	Nicholas J. Ventre
Luke C. Dininger	Justin P. Schroeder	Junfang Wang
Pradipto Ghosh	Balasubramanian Sethuraman	Junmei Zhong
Pete Johnson	Michael D. Simms	

We wish to welcome these new members to the Cincinnati Section!!!

Electrical Technologies in the Movies : Jukeboxes

Submitted by Bob Morrison, Editor

Reprinted from IEEE History Center Newsletter, Issue #73, March 2007

In the late 19th century there were coin-operated weighing machines and gum-dispensing machines. In 1889 a man by the name of Louis Glass equipped an Edison phonograph with a nickel-in-the-slot operating device and placed this forerunner of the jukebox in a San Francisco saloon. The machine was so well received that by mid-1891 more than a thousand coin-operated phonographs were in use. Such machines were battery-operated because at that time electric current was not available in most places. Many of the machines were in so-called “phonograph parlors,” which, with the addition of other coin-operated entertainment devices, evolved into penny arcades. Machines that could change the record cylinders or disks automatically, according to customer choice, began appearing in 1905. The coin-operated phonograph business peaked shortly after the turn of the century, in part because of the growth of the home-phonograph market and in part because the lack of effective amplification limited the appeal of the coin-operated machines.

Shortly after the advent of the electronic phonograph in the mid 1920s came a much improved phonograph-playing machine, the “jukebox,” a name acquired in 1930s. Customers were attracted by the big sound made possible by electronic amplification fidelity and volume greater than what radios or phonographs in the home offered—by the impressive record-changing mechanisms, and by the opportunity to choose the music and often to adjust the volume. An early jukebox, one from about 1930, can be seen in the movie “The Whole Wide World” (1996). A chest-type jukebox in the waiting area of a bus terminal features in the 1947 Humphrey Bogart – Lauren Bacall movie “Dark Passage”. In the movies “Gung Ho!” (1943) and “The Postman Always Rings Twice” (1946) we see jukeboxes in eating places. The record-changing mechanism is shown prominently in several movies, such as in “The Lady from Shanghai” (1948), in “The Glenn Miller Story” (1954), and in “I.Q.” (1994), which takes place in the 1950s.

In 1939 the Seeburg company offered a “wireless” jukebox system, in which selections made at any of many small units, which were plugged in at ordinary sockets, were signaled—over the building’s wiring—to the central record-playing unit. The Depression, together with the soaring popularity of radio, had hit the record

industry hard—record sales in the U.S. fell from 100 million in 1927 to six million in 1932—but jukeboxes helped revive the industry. Indeed, in the late 1930s half of all records produced in the U.S. went to the some 500,000 jukeboxes in use. In the 1942 movie “Orchestra Wives,” which stars Glenn Miller and his orchestra, the bandleader says that it is the kids putting nickels in jukeboxes who keep the band in business, and, of course, jukeboxes are shown. Something about the jukebox business is revealed in the 1957 Elvis Presley movie “Jailhouse Rock,” where we meet a woman whose job it is to open jukeboxes to check how many times particular records have been played.

The early jukeboxes had wooden cabinets and resembled traditional furniture. In the 1940s jukeboxes took on a different look, with cabinets of translucent plastic that were brightly backlit. In the 1950s jukeboxes often had automobile styling, in that era of flashy cars with tail fins and chromed protuberances on bumpers, fenders, and hoods. Jukeboxes of the 1950s can be seen in “Last Picture Show” (1971), “The Wild One” (1954), and “Touch of Evil” (1958).

The malfunctioning of jukeboxes is sometimes shown. In the James Dean – Elizabeth Taylor movie “Giant” (1956), a jukebox starts playing when bumped into. More famous is the jukebox in the TV series “Happy Days”: coming into the diner, the Fonzie would hit the jukebox to get it to play.

Though the jukebox business declined in the last decades of the 20th century, the machine continued to be used in bars and eating places. It was no longer a nickel per play, but more often, as shown in “Top Gun” (1986), a quarter per play. The records on a particular jukebox could be selected to appeal to the clientele of the establishment, as in the 1974 movie “Ali: Fear Eats the Soul” where, in a bar in Munich which caters mainly to guest workers, the jukebox seems to play only Arab music. In the 1980s CDs replaced vinyl records, and jukeboxes showed that transition. In the 1994 movie “Chungking Express” we see a CD jukebox, with rotating CDs, in a Hong Kong eating place.

IEEE NEWS

Former IEEE-USA President Highlights IEEE-USA Innovation Institute at IEEE Globecom 2007
WASHINGTON (30 November 2007) -- Former IEEE-USA President Ralph W. Wyndrum highlighted the IEEE-USA Innovation Institute during a panel session on entrepreneurship at IEEE Globecom 2007 on Wednesday.

Wyndrum, who served as IEEE-USA president in 2006 and is now president of the IEEE-USA Innovation Institute, told attendees that “innovation is everything from invention to the final sale.”

The seven-person panel, sponsored by IEEE GOLD (Graduates of the Last Decade), was designed to help graduate students and young professionals learn about what skills and techniques are key to the successful commercialization of research ideas.

Wyndrum’s presentation included information on the pilot Innovation Forum that IEEE-USA hosted in Falls Church, Va., on 6-8 November. Twenty-two people from organizations such as NASA, Lockheed Martin, Boeing, the FCC and the Office of Naval Research, participated in the event. Attendees had the opportunity to earn either 1.5 CEUs or 10 PDHs.

Wyndrum revealed that three Innovation Forums will be held around the country in 2008, six in 2009. The forums are designed to promote the innovation process, highlight new technologies and trends, and help high-tech professionals improve their innovation skills. The faculty is composed of successful technology innovators.

(Cont’d on Page 6)

TECH EXPO 2008

Business opportunity for CAS employers
and corporate partners

Join us at the next Tech Expo

Thursday, May 22, 2008

at the Duke Energy Center in downtown Cincinnati

New for 2008:

- An increased emphasis on exposing younger students to careers in science, technology, engineering and math. Help develop a 'pipeline' of talented employees for the future while you help strengthen the interest and aptitude of area students
- Three business partnership levels: \$1,000, \$2,500 and \$10,000. Call or email to learn which level is best for your business or organization.
- Consider hosting a business or trade group meeting or seminar at Tech Expo 2008. Limited space at very attractive rates available!

Just a few benefits of being a Tech Expo 2008 Business Partner

- ⇒ Be featured in a special Cincinnati Business Courier Tech Expo 2008 supplement in Spring 2008
- ⇒ Earn valuable recognition as a leader in the technology workplace while you support the College and its programs
- ⇒ Interact with middle and high school students and generate interest in engineering, science and technology fields of study
- ⇒ Network with UC faculty and administrators who are helping to shape tomorrow's technology workforce
- ⇒ Gain exposure to College of Applied Science students and see an amazing array of senior design projects

For more information, contact Anthony Ricciardi at (513) 556-4221 or
Betsy Zelek at (513) 702-2732 or bzms@zoomtown.com

The IEEE-USA Innovation Institute offer programs designed to advance the preparation of leaders responsible for the innovation of new products and services by sharing the experiences of successful innovators in a coordinated program of interaction, teaching, mentoring and networking.

Other key aspects of the Innovation Institute (<http://www.innovation-institute.org/>) include an online community; a clearinghouse of additional resources; e-books; and eventually, a national conference.

Innovators can also benefit from the IEEE-USA Entrepreneurs Village (<http://www.ieeeusa.org/careers/entrepreneurs/default.asp>). Introduced in May 2006, the village provides high-tech entrepreneurs with tools and resources conducive to innovation and company growth.

Wyndrum's presentation highlighted IEEE-USA's participation in IEEE Globecom 2007 at the Washington Hilton Hotel. IEEE-USA staff was on hand to provide attendees with information on the organization's career resources and government relations activities.

IEEE Globecom 2007, held 26-30 November, was the IEEE Communications Society's 50th anniversary of its Global Communications Conference. It is annually "the premier telecommunications event for industry professionals and academics from companies, governmental agencies and universities around the world."

IEEE Globecom 2008 will be in New Orleans: <http://www.comsoc.org/confs/globecom/2008/>

IEEE Foundation Announces 2008 Application Deadlines

The IEEE Foundation, Incorporated, the philanthropic arm of the IEEE, is committed to improving the technological literacy of society from childhood through adulthood. One way the IEEE Foundation seeks to achieve this goal is by awarding grants to new and innovative projects. During 2008, unsolicited applications will be accepted in three cycles from IEEE units and other organizations working in areas of relevance and importance to the IEEE and its membership. Projects should achieve one or more of the following objectives:

- Improve primary and secondary science, technology, and math learning
- Encourage pre-university students to consider engineering as a career path
- Increase the public's understanding of the role of engineers and technology in society
- Preserve the history of IEEE associated technologies
- Tap the technological expertise of IEEE members
- Demonstrate ability to be replicated

Application deadlines:

<u>Deadline</u>	<u>IEEE Foundation Meeting Date</u>
4 Jan 2008	Mar 2008
18 Apr 2008	Jun 2008
5 Sep 2008	Nov 2008

Before submitting the online application, please review "How to Apply for a Grant" (<http://www.ieee.org/organizations/foundation/grants.html>). All applications will be considered for funding by both the IEEE Foundation Board of Directors and the IEEE Life Members Committee. Questions should be directed to the IEEE Foundation Administrator at +1 732 981 3435 or foundation-office@ieee.org

THE LATEST ISSUE OF IEEE'S "THE INSTITUTE" IS NOW AVAILABLE AT

<http://www.ieee.org/theinstitute>

Included in this issue:

- What's in Store for Sections Congress 2008? Delegates from more than 300 IEEE sections around the world are looking ahead to "Sections Congress 2008: Celebrating Volunteer Achievements Worldwide," to be held 19 to 22 September in Quebec City. The triennial gathering of section leadership from all 10 IEEE regions involves four days of workshops, panel discussions, and tutorials to help make the leaders more effective. For more information, visit <http://bmsmail3.ieee.org:80/u/8751/04824637>
- Charles Elachi: Exploring the Unknown: As far back as he can remember, Charles Elachi was fascinated with space. Looking up at the night sky from the patio of his childhood home in Rayak, Lebanon, he would wonder, are people watching us from other planets too? And how did life begin? Today he may be closer to the answers. Read about this IEEE Fellow's career in space exploration at <http://bmsmail3.ieee.org:80/u/8752/04824637>
- Love to Write? Try for a Writing Fellowship If you're in engineering or science and love to write about technical topics, consider applying for the Mass Media Science and Engineering Fellows program of the American Association for the Advancement of Science. As a member of AAAS, IEEE-USA sponsors two Fellows who will work for 10 weeks at a U.S. newspaper, magazine, or radio or TV station. For more information, visit <http://bmsmail3.ieee.org:80/u/8753/04824637>
- Apple Cofounder Donates Money to Student Branch: The IEEE student branch at the University of California at Berkeley lucked out when Apple cofounder Steve Wozniak went back to his roots. A graduate of the school, class of 1986, he donated US \$1000 to the branch in September. Learn more at <http://bmsmail3.ieee.org:80/u/8755/04824637>
- "Get IEEE 802" Program Marks Six Years, Adds Corporate Sponsor: The program by which the IEEE makes IEEE 802 standards available to anyone passed its sixth year recently, and it attracted a third corporate sponsor. Nortel joins Cisco and the Wi-Fi Alliance in supporting the program. Learn more about Get IEEE 802 at <http://bmsmail3.ieee.org:80/u/8756/04824637>
- Ecuador Had Top WIE Student Branch: Members of the IEEE Women in Engineering student branch affinity group at the Private Technical University of Loja, in Ecuador, were very busy starting in July last year. Find out what they did to earn the 2006 Group of the Year Award for their branch at <http://bmsmail3.ieee.org:80/u/8757/04824637>
- Electronic Ticket Checker Named IEEE Engineering Milestone: Subway systems and electronic fare cards are commonplace these days. But the development of the world's first commuter ticket-scanning machine, installed to check the tickets of mobs of riders, was recently named an IEEE Milestone in Electrical Engineering and Computing. Read on at <http://bmsmail3.ieee.org:80/u/8759/04824637>
- Face Time Is the Thing During Radio and Wireless Week: Wireless technology makes remote communications possible, but face time still counts. So about 700 wireless and radio engineers and scientists will travel to the third annual Radio and Wireless Week to meet, and speak, face to face. For more information about the conference, visit <http://bmsmail3.ieee.org:80/u/8760/04824637>
- And the Winners Are...: The votes are in and John Vig has been named 2008 President-Elect. See who the other election winners are at <http://bmsmail3.ieee.org:80/u/8816/04824637>

- Scanning the Globe: It has become clear in recent years that human beings need to be much more careful in how we develop the Earth's resources if that development is to be sustainable for future generations. Knowing the state of the Earth and measuring the impact of our activities is key. The IEEE has been involved with helping to develop standards and publishing two new journals that cover Earth observation topics. Read on at <http://bmsmail3.ieee.org:80/u/8817/04824637>

- More Than Just a Name Change: Until now, no single area within the IEEE had sole responsibility for membership. That's has now changed. As of 1 January, the Member and Geographic Activities Board is responsible for membership and member development. Never heard of it before? That's because it's the new name for the Regional Activities Board. For more information, visit <http://bmsmail3.ieee.org:80/u/8818/04824637>

- Marketplace of Ideas: Wikipedia: Fact or Fiction? A Caltech graduate student has developed a search tool that can trace who makes entries in Wikipedia, the online encyclopedia that lets anyone edit content on everything from Paris Hilton to the history of electricity. The Web site has become a popular one-stop research source, but there's a debate about its information. Entries have been found to be inaccurate; at least one person discovered his biography contained false, defamatory information. And the new search tool revealed that many companies delete negative, though factual, information about themselves.

How much do you trust Wikipedia's content? Weigh in at <mailto:institute@ieee.org>

Read responses to September's question on what should be the first professional engineering degree. The majority of respondents said that a bachelor's should remain the first degree, but some believe more schooling is required. Read what members had to say at <http://bmsmail3.ieee.org:80/u/8820/04824637>

- Clearing Up Confusion in Fellow Categories: Even though it's been nearly three years since nominations were first accepted for the newest Fellow category, Application Engineer/ Practitioner, few have been nominated. Learn more about this commonly misunderstood category at <http://bmsmail3.ieee.org:80/u/8821/04824637>

To see the 2008 Class of Fellows, visit <http://bmsmail3.ieee.org:80/u/8822/04824637>

- Staff Member Recognized for Years of Service: William F. Van Der Vort, executive director of the IEEE Electron Devices Society, received this year's Eric Herz Outstanding Staff Member Award. The annual IEEE-sponsored award recognizes leadership and contributions to the success of the IEEE over a long period of time. Read on at <http://bmsmail3.ieee.org:80/u/8823/04824637>

- Eight Mentoring Myths Busted: When you think about a mentoring relationship, you probably imagine the stereotype of an older mentor advising a younger professional, with just the mentee benefiting from the interaction. But that's just not so. As more companies and organizations, including the IEEE, offer mentoring programs, misconceptions continue to exist about the mentoring relationship. Find out the truth behind eight mentoring myths at <http://bmsmail3.ieee.org:80/u/8825/04824637>

- Eleanor Baum: Rebel Engineer: When IEEE Fellow Eleanor Baum decided on an engineering career in high school, she got little support. Women just didn't become engineers in the 1950s. It's been a bumpy road, Baum admits, but her decision has paid off. She became the first female dean of engineering in the United States in 1984 and has been working to make engineering open to everyone for decades. Read on at <http://bmsmail3.ieee.org:80/u/8826/04824637>

Deadlines Near for IEEE Award Nominations: The last day to nominate a colleague for a 2009 IEEE Technical Field Award is 31 January 2008. For descriptions of the awards and nomination forms, visit the IEEE Awards Web site at <http://bmsmail3.ieee.org:80/u/8827/04824637>

Nominations for the 2009 IEEE Alexander Graham Bell Medal, sponsored by Alcatel-Lucent, are due 1 July 2008. The medal is presented to an individual or team of up to three for exceptional contributions to the advancement of communications sciences and engineering. For nomination forms, visit <http://bmsmail3.ieee.org:80/u/8828/04824637>

For more information on these awards, contact IEEE Awards Activities at awards@ieee.org

- What's Your Section Doing for EWeek? National Engineers Week is taking place 17 to 23 February. Sponsored by a coalition of more than 75 corporations, government agencies, and professional societies--including the IEEE--EWeek is an international initiative aimed at increasing awareness about engineering through various outreach programs. If your IEEE section is organizing an event during EWeek, such as a conference, a robotics competition, or some other special event, tell the editors of The Institute at institute@ieee.org

- New IEEE Spectrum Webinars Now Available on Demand: If you missed these recent live IEEE Spectrum Tech Insiders Webinars, you can view them in their entirety on demand: "Data Collection in Today's Health-Care Environment," sponsored by Motorola; "Latest Advances in Ultra-Accurate Temperature Measurement Design," sponsored by Data Translation; "WiMax: Ready for Prime Time," sponsored by Ansoft, Applied Wave Research, Newark, Rohde & Schwarz, Samsung, and Skyworks. To view these Webinars, visit <http://bmsmail3.ieee.org:80/u/8829/04824637>

- Model Stomach Takes Digestion Outside the Body After nearly a decade's worth of research and more than US \$2 million from the British government, scientists at the Institute for Food Research in Norwich, England, have built an artificial stomach. Read this IEEE Spectrum Online exclusive to find out how it works and why food engineers, pharmaceutical companies, and organic farmers are lining up for the artificial organ at <http://bmsmail3.ieee.org:80/u/8830/04824637>

- New Initiative Looks Far Into the Future: Efforts by the IEEE Board of Directors in the past year have resulted in a new strategic plan for the institute and a new process for developing strategies that support the plan's implementation. Read about the institute's strategic plan at <http://bmsmail3.ieee.org:80/u/9182/04824637>

- Get Busy, Honor a Tech Breakthrough: In the run up to the IEEE's 125th anniversary in 2009, the IEEE History Committee wants as many nominees as possible for IEEE History Milestones. Learn how you can recognize a tech breakthrough that occurred in your section at <http://bmsmail3.ieee.org:80/u/9183/04824637>

- Office Opens in China: The IEEE office in China is up and running, having opened its doors in Beijing's Haidian Science Park. Read on at <http://bmsmail3.ieee.org:80/u/9184/04824637>

- IEEE Publishing Presses On: The tools given to IEEE's authors, editors, and conference organizers have helped make the IEEE one of the world's largest publishers of technical literature. Read about recent improvements in these tools from IEEE Publications at <http://bmsmail3.ieee.org:80/u/9185/04824637>

- Winning Ideas Get Cash in (Almost) a Flash: Got a project in mind that can benefit the IEEE, but need money to get it off the ground? As part of the IEEE's new initiatives process, funds are available to turn good ideas into action. Learn more at <http://bmsmail3.ieee.org:80/u/9186/04824637>

- WIE Launches Outreach Efforts: Responding to a survey, members of IEEE Women in Engineering said they wanted more networking events to raise the profile of female engineers and more outreach programs that encourage young women to pursue an engineering education. Find out what WIE has done to meet these requests at <http://bmsmail3.ieee.org:80/u/9187/04824637>
- Upcoming IEEE Conferences: Six IEEE conferences from February to April 2008 cover topics that include solid-state circuits, human-machine systems, and signal processing. Learn more about them at <http://bmsmail3.ieee.org:80/u/9189/04824637>
- Robot Showdowns Sharpen Skills: IEEE student branches around the world are holding robotics competitions to put to use the theories they learn in class. Find out more about robots that can monitor a fire, shoot balls into a hoop, or thread their way through a maze at <http://bmsmail3.ieee.org:80/u/9190/04824637>
- Part-time Passions: A Stage Star and a Triathlete: Read about two IEEE members who have taken up the hobbies of acting and competing in triathlons at <http://bmsmail3.ieee.org:80/u/9191/04824637>
- Countdown to IEEE Award Nominations: Nominations are being sought for 2009 IEEE medals, awards, recognitions, and prize papers. The deadline for nominations is 1 July 2008. Learn how to nominate a colleague at <http://bmsmail3.ieee.org:80/u/9192/04824637>
- Get Updates on Technology Developments: If you want to get the latest technology news, online articles, podcasts, Webinars, and blog posts from IEEE Spectrum Online, sign up for automated feeds at <http://bmsmail3.ieee.org:80/u/9194/04824637>

18 January 2008 Deadline Looms for IEEE-USA Online Engineering Video Scholarship Competition; \$10,000 in Scholarship Awards Expected

The deadline for entries into the IEEE-USA Online Engineering Video Scholarship Competition on "How Engineers Make a World of Difference" is 18 January, with \$10,000 in scholarship awards available. IEEE-USA launched the online video competition in October 2007, calling on undergraduate engineering students to create single 90-second video clips -- aimed at 11-13 year-olds, that reinforce engineers' contributions to the quality of life and that help debunk engineering stereotypes.

IEEE-USA will award seven scholarship prizes totaling \$10,000 for the most creative and effective video clips that convey why undergrads think engineering is cool and that underscore "How Engineers Make a World of Difference." The competition is open to all U.S. undergraduate students in engineering and computer science with at least one U.S. IEEE student member on a team.

All entries must be submitted through YouTube by midnight (Eastern time) on Friday, 18 January. The winners will be announced and winning entries will be shown during National Engineers Week, 17-23 February. To enter the competition, go to http://www.ieeeusa.org/communications/video_competition; or e-mail p.mccarter@ieee.org

The IEEE Cincinnati Section Executive Committee **Member Names and Phone Numbers**

Cincinnati Section Voice Mail
Section Web Page

513-629-9380 (call for meeting reservations)
<http://www.ieeecincinnati.org>

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